



CERTIFICATE OF ANALYSIS

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1. Identification

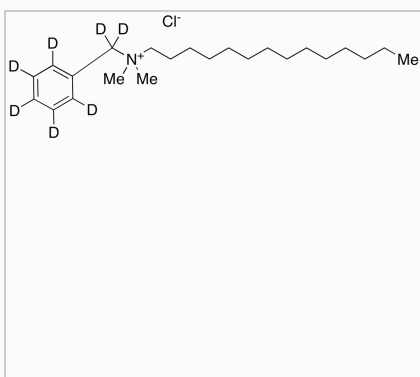
Catalogue Number: B276287

CAS Number: 1219178-72-9

Product: Benzyl dimethyl tetradecyl ammonium-d7 Chloride

Synonym: N,N-Dimethyl-N-tetradecylbenzenemethanaminium-d7 Chloride; (Benzyl-d7)dimethyltetradecylammonium Chloride; Arquad DM 14B90-d7; Cation M 2-100R-d7; Cyncal-d7; Dibactol-d7; Myristalkonium-d7 Chloride; Zeph-d7; Zephiramine-d7; Zephiramine-d7 Chloride;

Structure:



Molecular Formula:

$C_{23}H_{35}D_7ClN$

Molecular weight:

375.08

Source of Product:

Synthetic

Solubility:

Chloroform (Slightly), DMSO (Slightly), Methanol (Slightly)

Lot Number: 3-RNP-109-3

Purity: 96%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Off-White Solid	White to Off-White Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
HPLC Purity	Report Result	95.10% (210 nm)
Isotopic Purity	>95%	99.3%

Additional Information:

Normalized Intensity: d0 = 0.00%, d1 = 0.00%, d2 = 0.01%, d3 = 0.00%, d4 = 0.00%, d5 = 0.00%, d6 = 4.85%, d7 = 95.14%

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Neha Khanna	Toni Rantanen	Chanell Chu	3/24/2022	3/22/2032